

Mathematics for the Clinical Laboratory 4th edition
Doucette Test Bank

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Test Bank - Chapter 01

Q: What is the sum of $9.2 + 7.7 + 2.3$?

- A. 3.8
- B. 14.6
- C. 19.2 (Correct)**
- D. 19.6

Q: What is the sum of $4.3 + 2.6$?

- A. 6.9 (Correct)**
- B. 9.6
- C. 11.2
- D. 16.5

Q: What is the sum of $(-7) + (-8)$?

- A. -1
- B. +1
- C. -15 (Correct)**
- D. +15

Q: What is the sum of $(-9) + (+15)$?

- A. -24
- B. +6 (Correct)**
- C. -6
- D. +24

Q: What is the sum of $(-14) + (+9)$?

- A. -5 (Correct)**
- B. +5
- C. -23
- D. +23

Q: What is the sum of $(-3) + (+17)$?

- A. -20
- B. +20
- C. -14
- D. +14 (Correct)**

Q: What is the sum of $(+44) + (-22) + (+19) + (-4)$?

- A. +37 (Correct)**
- B. -37
- C. +49
- D. -49

Q: Solve the following equation: $(+66) - (-14) - (+12) - (+7)$.

- A. -40
- B. +47
- C. +61 (Correct)**
- D. -99

Q: Using ratio and proportion, the fraction $\frac{3}{4}$ is equivalent to

- A. $\frac{9}{15}$
- B. $\frac{5}{16}$
- C. $\frac{6}{8}$ (Correct)**
- D. $\frac{2}{4}$

Q: The fraction $\frac{1}{25}$ is equivalent to what fraction with a denominator of 200?

- A. $\frac{2}{200}$
- B. $\frac{4}{200}$
- C. $\frac{6}{200}$
- D. $\frac{8}{200}$ (Correct)**

Q: The fraction $\frac{0.5}{10}$ is equivalent to

- A. $\frac{1}{2}$
- B. $\frac{1}{5}$
- C. $\frac{1}{10}$
- D. $\frac{1}{20}$ (Correct)**

Q: Write the following in percentage form: 0.15.

- A. 1.5%
- B. 15% (Correct)**
- C. 150%
- D. 1500%

Q: Write the following in percentage form: 0.111.

- A. 1.11%
- B. 11.1% (Correct)**
- C. 111%
- D. 1110%

Q: Write the following in decimal form: 32%.

- A. 0.032
- B. 0.0032
- C. 0.32 (Correct)**
- D. 3.2

Q: Write the following in decimal form: 75%.

- A. 0.75 (Correct)**
- B. 0.0075
- C. 7.5
- D. 75.0

Q: If the number 0.5734 is rounded to three significant figures, what will be the new number?

A. 0.573 (Correct)

B. 0.574

C. 0.5734

D. 5.734

Q: If the number 22.81 is rounded to three significant figures, what will be the new number?

A. 22

B. 22.8 (Correct)

C. 22.81

D. 22.80

Q: If the number 6.473 is rounded to three significant figures, what will be the new number?

A. 6.47 (Correct)

B. 6.573

C. 6.48

D. 64.8

Q: If the number 4.37768 is rounded to four significant figures, what will be the new number?

A. 4.377

B. 4.378 (Correct)

C. 4.376

D. 4.379

Q: If the number 5.569 is rounded to two significant figures, what will be the new number?

A. 5.5

B. 5.6 (Correct)

C. 5.4

D. 5.7

Q: If the number 4.625 is rounded to three significant figures, what is the new number?

A. 4.62 (Correct)

B. 4.63

C. 4.64

D. 4.65

Q: If the number 7.435 is rounded to three significant figures, what is the new number?

A. 7.43

B. 7.44 (Correct)

C. 7.45

D. 7.46

Q: The number 252.13 has how many significant figures?

A. Two

- B. Three
- C. Four
- D. Five (Correct)**

Q: The number 326 has how many significant figures?

- A. Two
- B. Three (Correct)**
- C. Four
- D. Five

Q: The number 279.03 has how many significant figures?

- A. Two
- B. Three
- C. Four
- D. Five (Correct)**

Q: The number 0.05706 has how many significant figures?

- A. Two
- B. Three
- C. Four (Correct)**
- D. Five

Q: The number 0.78330 has how many significant figures?

- A. Two
- B. Three
- C. Four
- D. Five (Correct)**

Q: The number 826.00 has how many significant figures?

- A. Two
- B. Three
- C. Four
- D. Five (Correct)**

Q: Solve the following equation using the rules for rounding numbers and significant figures: $0.087 - 0.012 = ?$

- A. 0.08
- B. 0.075 (Correct)**
- C. 0.099
- D. 0.10

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(+38) - (+45) = ?$

- A. +7
- B. -7 (Correct)**
- C. +83

D. -83

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(-24) - (-16) = ?$

A. +8

B. -8 (Correct)

C. +40

D. -40

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(-5) - (-2) = ?$

A. -3 (Correct)

B. +3

C. +7

D. -7

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(-17) - (+18) = ?$

A. -1

B. +1

C. -35 (Correct)

D. +35

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(-4) - (-1) = ?$

A. -1

B. +1

C. +3

D. -3 (Correct)

Q: Solve the following equation using the rules for rounding numbers and significant figures: $4.5 \times 1.2 = ?$

A. 5.1

B. 3.75

C. 5.4 (Correct)

D. 5.7

Q: Solve the following equation using the rules for rounding numbers and significant figures: $144.2 \times 3.21 = ?$

A. 462.882

B. 462.88

C. 462.9

D. 463 (Correct)

Q: Solve the following equation using the rules for rounding numbers and significant figures: $6.742 \times 1.58 = ?$

A. 10.6 (Correct)

- B. 10.65
- C. 8.32
- D. 4.27

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(1.4) \times (2.5) = ?$

- A. 3.50
- B. +3.5 (Correct)**
- C. 1.1
- D. +3.9

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(5.8) \times (9.3) = ?$

- A. 54 (Correct)**
- B. 53.9
- C. 53.94
- D. 58

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(15) \times (+4) = ?$

- A. 19
- B. +60.0
- C. 60 (Correct)**
- D. 45

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(67.3) \times (+8.44) = ?$

- A. 58.9
- B. +568.0
- C. 568 (Correct)**
- D. 568.012

Q: Solve the following equation using the rules for rounding numbers and significant figures: $(45.6) \div (+3.1) = ?$

- A. 14.7
- B. 14
- C. 15 (Correct)**
- D. +17

Q: If the digit to be dropped is less than 5, then the preceding digit stays the same.

- A. True (Correct)**
- B. False

Q: If the digit to be dropped is more than 5, then the preceding digit is rounded down.

- A. True
- B. False (Correct)**

Q: If the digit to be dropped is equal to 5, then the preceding digit is not rounded if it is an even number.

A. True (Correct)

B. False